

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (Currently Amended) A process for decreasing ~~inhibiting~~ development of allergic asthma disease, the process comprising exposing a neonatal or immature mammal ~~or bird~~ to irradiation-detoxified lipopolysaccharide derived from extracted bacterial endotoxin and operable to stimulate the Th 1 arm of the mammal's immune system.

2. (Original) A process according to claim 1, wherein the irradiation-detoxified lipopolysaccharide is detoxified by exposure of the endotoxin to irradiation at a level of from about 25 to about 150 kGy.

3. (Currently Amended) A process according to claim 1, wherein the irradiation changes the structure of the endotoxin while maintaining its Th1 stimulatory ~~positive immune~~ effect in the resulting irradiation-detoxified lipopolysaccharide.

4. (Cancelled).

5. (Original) A process according to claim 1, wherein an infant mammal is exposed.

6. (Withdrawn) A process according to claim 5, wherein the exposure is achieved by administering a topical composition comprising the irradiation-detoxified lipopolysaccharide to the infant mammal.

7. (Withdrawn) A process according to claim 6, wherein the topical composition further comprises a powder.

8. (Withdrawn) A process according to claim 7, wherein the powder comprises talcum powder, corn starch, beet starch, rice flour, oatmeal, or a mixture thereof.

9. (Withdrawn) A process according to claim 6, wherein the topical composition is in the form of a topical cream.

10. (Original) A process according to claim 1, wherein the exposure is achieved by administering an aerosol spray composition comprising the irradiation-detoxified lipopolysaccharide.

11. (Withdrawn) A process according to claim 5, wherein the exposure is achieved by contacting the infant mammal with a wipe impregnated with a composition comprising the irradiation-detoxified lipopolysaccharide.

12. (Withdrawn) A process according to claim 5, wherein the exposure is achieved by contacting the infant mammal with a diaper impregnated with a composition comprising the irradiation-detoxified lipopolysaccharide.

13. (Original) A process according to claim 1, wherein a human of 1 month to 2 years of age is exposed.

14. (Withdrawn) A process according to claim 1, wherein a primate of 2 weeks to 12 months of age is exposed.

15. (Withdrawn) A process according to claim 1, wherein a dog or cat of 1 week to 12 months of age is exposed.

16. (Withdrawn) A process according to claim 6, wherein the irradiation-detoxified lipopolysaccharide is delivered in a concentration from 0.01 ug/g to 100 ug/g of topical composition.

17. (Currently Amended) A process according to claim 1, wherein exposure to the irradiation-detoxified lipopolysaccharide is achieved shortly after birth and during the maturing life cycle of the mammal ~~or bird~~.

18. (Currently Amended) A process according to claim 1, wherein exposure to the irradiation-detoxified lipopolysaccharide is achieved on a daily basis during growth of the mammal-~~or bird~~.

19. (Currently Amended) A process according to claim 1, wherein exposure to the irradiation-detoxified lipopolysaccharide is achieved on a weekly basis during growth of the mammal-~~or bird~~.

20. (Withdrawn and Currently Amended) A process according to claim 1, wherein the mammal-~~or bird~~ is a farm animal.

21. (Withdrawn) A process according to claim 20, wherein the farm animal is a cow, pig, goat, horse, chicken or turkey of 2 days to 12 months of age.

22. (Currently Amended) A process for decreasing ~~inhibiting~~ development of allergic asthma ~~disease~~, the process comprising exposing a neonatal or immature mammal-~~or bird~~ to irradiation-detoxified lipopolysaccharide derived from extracted *E. coli* bacteria endotoxin and operable to stimulate the Th 1 arm of the mammal's immune system.

23. (Previously Presented) A process according to claim 22, wherein the exposure is achieved by administering an aerosol spray composition comprising the irradiation-detoxified lipopolysaccharide.

24. (Previously Presented) A process according to claim 22, wherein a human of 1 month to 2 years of age is exposed.

25. (New) A process for decreasing development of allergic asthma, the process comprising exposing a neonatal or immature human of up to about 2 years of age to irradiation-detoxified lipopolysaccharide derived from extracted bacterial endotoxin and operable to stimulate the Th 1 arm of the human's immune system while reducing interleukin 1(IL-1) stimulation caused by the native form of the lipopolysaccharide derived from extracted bacterial

endotoxin, wherein the exposing step comprises administering an aerosol spray composition of the irradiation-detoxified lipopolysaccharide derived from extracted bacterial endotoxin.